



FEATURES
 150 x 73 x 40 mm
 INPUT : 115Vac
 Comply with Airbus AC Power requirement 360-690Hz
 OUTPUT : 335Vdc 400W
 -55°C +100°C operating



APPLICATIONS
 Power factor corrected AC front end for avionic application.

INPUT

Voltage range : 90-132Vac
 Frequency : 360-690Hz comply with Airbus MP240300229, ABD100.1.8
 PFC correction
 Input protection : fuse
 transient and surges protected MILSTD-704F
 inrush current limitation
 EMI : MIL STD-461E CE101, CE102
 Power interruption : Ouptut voltage is maintained above 180Vdc during a 200ms input AC interruption at 300W.

OUTPUT

Voltage : 335Vdc
 Current : 1,2A max.

	OUTPUT		Conditions
	Typ.	Max.	
Line regulation	2 %	5 %	Low line to high line ; full load
Load regulation	7 %	10 %	No load to full load
Ripple and noise	5 %	8 %	Peak to peak, nom. Input ; full load
Current limit	135 % of I nominal		

SIGNALS

ON/OFF control : control of the DC/DC converter supplied by the front end

Power Fail

ENVIRONMENTAL

Storage temperature : -65°C to $+125^{\circ}\text{C}$

Operating temperature : -55°C to 100°C baseplate, chassis mounting

ISOLATION

Input to chassis : 1500 Vrms or 2121 Vdc

Input to Output : None

GENERAL

Safety : built to meet EN60950

EMI : Built to meet MIL-STD461E CE101, CE102

PFC : Built to meet ABD100.1.8

No laboratory certification, certified in the customer equipment.



MECHANICALS



INPUT : SUBD 9 pts male

CN1	DESCRIPTION
PIN 1	AC/L
PIN2	AC/N
PIN 5	Ground
PIN 3-4-6 to 9	Ground

OUTPUT : SUBD 9 pts female

CN2	DESCRIPTION
PIN1	+HT
PIN2	-HT
PIN3	Pow_fail_c
PIN5	Ground
PIN7	INH-G
PIN8	Pow_fail_e
PIN4-6-9	NC

